

Missouri General Water Quality Certification for NWP 27, Stream and Wetland Restoration Activities

1. Care shall be taken to keep machinery out of the waterway as much as possible.
2. Fuel, oil, other petroleum products, equipment and any solid waste shall not be stored below the ordinary high water mark (OHWM) at any time or in the adjacent floodway beyond normal working hours.
3. Petroleum products spilled into any waterbody or on the banks where the material may enter waters of the state shall be immediately cleaned up and disposed of properly.
4. Clearing of vegetation/trees shall be the minimum necessary to accomplish the activity.
5. The riparian area, banks, etc., shall be restored to a stable condition to protect water quality as soon as possible. Seeding, mulching and needed fertilization shall be within three days of final contouring. On-site inspections of these areas shall be conducted as necessary to ensure successful revegetation and stabilization, and to ensure that erosion and deposition of soil in waters of the state is not occurring from this project.
6. Only clean nonpolluting fill shall be used.
7. Work shall be conducted during low flow whenever possible.
8. The following are not suitable as bank stabilization materials and shall not be used: earthen fill, gravel, broken concrete, concrete with exposed rebar, asphalt, tires, vehicles or vehicle bodies, construction or demolition debris or liquid concrete, including grouted riprap. This certification does not authorize the placement of riprap for bank stabilization purposes. Biological materials may be used for stabilization purposes. Grouted riprap is not to be used for the purpose of grade control.
9. Any land disturbance activities disturbing 5 or more acres of total area for the entire project requires a storm water permit from the Water Pollution Control Program (WPCP) for land disturbance activities. Note that this is 5 acres of area disturbed for the total project, not 5 acres of waters of the United States. In this regard, please contact the WPCP at (573) 751-6825.
10. Instream culverts shall be sized and placed to maintain at least 6 inches of water during average annual discharges. Structures creating water velocities in excess of 2 feet per second during average annual discharge shall be avoided. There shall be no drop between the downstream end of the culverts and the downstream water surface elevation.
11. Levees constructed for the purpose of this nationwide shall be limited to 4 feet in height.